Luminescence Technology Corp.

High Efficient Yellow Emitting Material for Organic Light-Emitting Devices

Product Specifications

LT-N777 PO-08

Grade	Sublimed, > 99% (HPLC)
Absorption	422 nm (in CH_2Cl_2)
Photoluminenscence	566 nm (in CH_2Cl_2)
HOMO/LUMO	5.2 eV/3.0 eV

Reference : Applied Mechanics and Materials, 2015, 748 57-61

Features

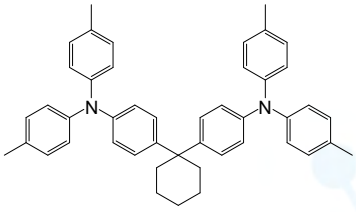
- On fabricating a yellow PHOLED by doping PO-08 with host as the emitter, the device achieved a high power efficiency of 59.2 lm/W and an external quantum efficiency of 21.0%.
- By using the efficient yellow phosphor PO-08 complex, the white OLED displayed a high power efficiency of 54.0 lm/W and a low driving voltage of 3.2V at practical brightness of 1000 cd/m^2.

Device Application

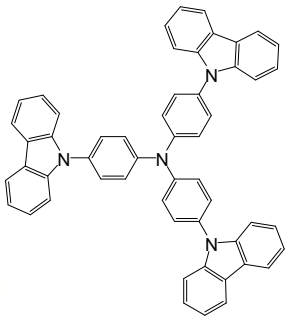
The Best Device :

ITO/PEDOT/TAPC(35 nm)/3wt% PO-08:TCTA(15 nm)/TmPyPB(56 nm)/LiF(0.8 nm)/Al(120 nm)

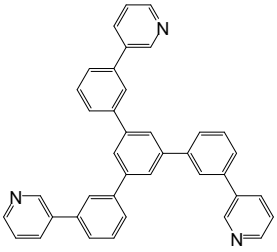
Related products from Lumtec :



LT- N137 TAPC



LT- E207 TcTa



LT-N863 TmPyPB

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